From the

INTERNATIONAL	SEARCHING	AUTHORITY

To: MARK J ITRI

PCT

MCDERMOTT WILL & EMERY 8191 VON KARMAN AVENUE SUITE 400 RVINE, CA 92612-7107		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
		(PCT Rule 43bis.1)			
		Date of mailing (day/month/year)	7 AUG 2005.		
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below			
070602-0519					
International application No.	International filing date (day/month/year)	Priority date (day/month/year)		
PCT/US04/33736 International Patent Classification (IPC)	14 October 2004 (14.10				
	or both national classification	on and IPC			
IPC(7): B64G 1/26 and US Cl.: 244/169 Applicant					
LOCKHEED MARTIN CORPORATION	.1				
EOCKHEED MARTIN CORPORATION	\				
1. This opinion contains indications relating to the following items:					
Box No. I Basis of the	sis of the opinion				
Box No. II Priority					
Box No. III Non-establi	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of uni	Lack of unity of invention				
· —	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain doc	uments cited				
Box No. VII Certain defe	ects in the international app	pplication			
Box No. VIII Certain obse	Certain observations on the international application				
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the ISA/ US		Authorized office			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Teri Luu			
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. 571-272-7045			
Facsimile No. (703) 305-3230					





International application No.

PCT/US04/33736

Box No	. I Basis of this opinion
	egard to the language, this opinion has been established on the basis of the international application in the language in which it led, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With rainvent	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ion, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
: :	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additio	onal comments:





PC1/USU4/33/36

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims NONE	YES			
	Claims 1-24				
Inventive step (IS)	Claims NONE	YES			
	Claims 1-24				
Industrial applicability (IA)	Claims 1-24	YES			
mastrar approachity (171)	Claims NONE				
2. Citations and explanations:					
Claims 1-24 lack novelty under PCT Article 33(2) as	being anticipated by Glogowski et al.				
Glogowski et al disclose a system that control attitude momentum associated with adjusting the plurality of	le which uses gimbaled HCTs associated with the sp f reaction wheel assemblies.	acecraft to control the			
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